DEPARTMENT OF THE ARMY
GALVESTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1229
GALVESTON, TEXAS 77553-1229

October 2005
HYDROGRAPHIC BULLETIN

CHANNELS WITH PROJECT DEPTHS UNDER 25 FEET

A report of the depths available for navigation in the Federal Project Waterways of the Galveston District

★ Indicates changes from previous report

● Indicates dredging under contract

✪ Indicates changes from previous report and dredging under contract

Distances are in statute miles

Depths are based on Corps of Engineers mean low tide datum

NOTE: Miles are measured west of Harvey Lock, Louisiana, via the channel across Galveston Bay and channel from Aransas Bay to Corpus Christi Bay.

NOTE: Mileage's are measured west of Harvey Lock, Louisiana, via the Gulf Intracoastal Waterway and Houston Ship Channel to the usual take-off points on Houston Ship Channel.

The main route of the Gulf Intracoastal Waterway traverses the following reaches of other waterways that are maintained under separate projects:

Waterway	Reach
Sabine - Neches Waterway	Sabine River to West Port Arthur
Port Isabel Channel	Port Isabel Turning Basin to Connecting Channels
Connecting Channel *	Port Isabel Channel to Brownsville Channel
Brownsville Channel	Connecting Channel* to Port Brownsville

* Channel connecting Port Isabel and Brownsville Channel called the East and West Wye's.

Critical reaches of the waterway. Interruptions to traffic may occur during rises in the Brazos River since it may not be practicable to operate the floodgates at this crossing during such periods. Some delays may occur at the Colorado River Locks while vessels are locked for passage across the river during rises. Experience thus far in operating the Brazos River Floodgates and the Colorado River Locks has indicated that shoaling during rises of short duration is usually negligible when the structures are kept closed and causes no interruptions to traffic. During major rises in the rivers; however, heavy shoaling may occur in the forebays of the structures; and at times, some dredging may be required before traffic can pass.

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SHALLOW DRAFT CHANNELS		Date of Survey	PROJECT DIMENSIONS Feet Width	Miles Length	Feet Depth	PROJECT CONDITIONS Left ¼ Channel (Feet)		Middle ½ Channel (Feet)		Right ¼ Channel (Feet)	
GULF INTRACOASTAL WATERWAY MAIN CHANNEL											
Sabine River - High Island	★	09/05	125	53.1	12	★	10.2	★	12.0	★	10.2
High Island - Galveston Bay	★	09/05	125	30.0	12	★	10.0	★	11.3	★	11.5
Across Galveston Bay	★	09/05	125	7.2	12	★	11.1	★	12.8	★	12.3
Alternate Route via Galv. Ch.(REOPENED)	★	09/05	125	10.3	12	★	8.8	★	9.3	★	7.8
Galveston Bay - Chocolate Bayou	★	10/05	125	19.0	12	★	9.4	★	11.3	★	10.3
Chocolate Bayou - Freeport Harbor	★	09/05	125	19.0	12	★	10.7	★	11.2	★	9.7
Freeport Harbor - Brazos River	★	10/05	125	5.9	12	★	5.2	★	6.7	★	8.1
Brazos River Crossing	★	10/05	125	0.7	12	★	11.4	★	11.9	★	9.5
Brazos River - San Bernard River	★	10/05	125	4.0	12	★	10.8	★	13.2		12.8
San Bernard River - Colorado River	★	10/05	125	35.6	12	★	10.2	★	12.0	★	10.1
Colorado River Crossing	★	09/05	125	1.0	12	★	7.5	★	12.8	★	6.6
Colorado River - Matagorda Bay (Mile 461.6 WHL)	★	10/05	125	20.1	12	★	5.1	★	7.1	★	9.2
Mile 461.6 - Port O'Connor	②	06/05	125	11.1	12		8.5		11.2		11.5
Natural Bay Bottom		03/05	125	0.0	12		10.0		10.0		10.0
Port O'Connor - San Antonio Bay		07/04	125	19.0	12		9.1		10.5		9.9
Across San Antonio Bay	★	10/05	125-235	8.6	12	★	9.2	★	11.4	★	9.0
San Antonio Bay - Aransas Bay (Light 1)	★	10/05	125	10.4	12	★	9.5	★	9.5	★	10.6
Across Aransas Bay	★	10/05	125	13.8	12	★	10.6	★	10.6	★	8.4
Aransas Bay to Corpus Christi Ship Channel		09/04	125	14.4	12		6.0		7.0		9.0
Alternate Route via Lydia Ann Channel:											
Aransas Bay 49 to Light 83		10/04	125	7.9	12		10.0		12.0		12.8
Light 83 to Corpus Christi Ship Channel		10/04	125	3.8	12		11.5		10.0		9.0
Corpus Christi Ship Channel to S. Bird Island		04/05	125	25.2	12		11.0		12.0		10.0
S. Bird Island to Light 175		04/05	125	22.5	12		10.0		11.0		11.5
Light 175 - Banderia Island		04/05	125	21.6	12		11.0		12.0		12.0
Banderia Island - Channel to Port Mansfield		06/05	125	23.2	12		10.0		10.5		8.0
Channel to Port Mansfield-Arroyo Colorado		06/05	125	14.5	12		9.0		11.2		10.0
Arroyo Colorado - Port Brownsville		07/05	125	37.6	12		11.0		12.0	⑨	7.0

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PROJECT DIMENSIONS						**PROJECT CONDITIONS**					
GULF INTRACOASTAL WATERWAY TRIBUTARY CHANNELS											
ADAMS BAYOU CHANNEL											
Channel	★	10/05	100	1.6	12	★	4.8		7.5	★	6.4
DOUBLE BAYOU											
4.1 Miles in Bay to Mouth of Bayou		07/05	125	4.1	7		3.0		6.0		5.0
Mouth of Bayou to 2 Miles above Mouth		07/05	100	2.0	7		5.0		6.0		6.0
COW BAYOU CHANNEL											
Channel		03/04	100	7.1	13		4.7		6.0		7.8
Orangefield Turning Basin		03/04	300	0.1	13		1.3		1.3		5.8
OFFATTS BAYOU CHANNEL											
Channel		06/05	125	2.2	12		5.5		7.1		5.5
CHOCOLATE BAYOU CHANNEL											
Bay Channel	★	09/05	125	5.6	12	★	6.3	★	8.4	★	7.1
Land Cut	★	09/05	125	2.9	12	★	6.6	★	7.2	★	5.5
SAN BERNARD RIVER CHANNEL											
Mile 0 to Mile 0.5		07/04	1032-100	0.5	9		3.3		8.1		4.2
Mile 0.5 to Mile 3.75		07/04	100	3.3	9		9.3		9.3		6.8
Mile 3.75 to Mile 8.0		4/94	100	4.3	9		n/a		9.0		n/a
Mile 8.0 to Mile 20.5		4/94	100	12.5	9		n/a		9.0		n/a
Mile 20.5 to Mile 25.2		4/94	100	4.7	9		n/a		9.5		n/a
Mile 25.2 to Mile 26.0		4/94	100	0.8	9		n/a		9.0		n/a
MOUTH OF THE COLORADO RIVER											
Mile 0 (Gulf) to Mile 0.8	★	10/05	200	0.8	15	★	0.8	★	0.2	★	1.1
Mile 0.8 to Mile 2.5	★	10/05	100	1.7	12	★	2.6	★	5.7	★	6.0
Mile 2.5 to Mile 7.11 (GIWW)		08/05	100	4.6	12		9.1		9.3		7.0

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			PROJECT DIMENSIONS				***PROJECT CONDITIONS***				
COLORADO RIVER CHANNEL											
By-Pass Channel		08/05	100	0.9	9		13.2		7.5		2.9
Mile 0 (GIWW) to Mile 2		08/05	100	2.0	9		11.2		9.4		7.8
Mile 2 to Mile 8		08/05	100	6.0	9		3.4		5.6		4.0
Mile 8 to Mile 13.5		08/05	100	5.5	9		2.6		5.3		4.0
Mile 13.5 to Mile 15.5		08/05	100	2.0	9		2.3		4.5		2.9
Turning Basin		08/05	100	0.1	9		6.5		10.9		11.4
CHANNEL TO PALACIOS											
Mile 0 (GIWW) to Light 40	★	10/05	125	10.0	12	★	10.0	★	9.8	★	9.9
Light 40 to City Basin	★	10/05	125	6.2	12	★	8.0	★	9.1	★	8.0
City Basin		03/05	150	0.1	12		12.5		12.6		12.2
Entrance Channel to Mun. Basin	★	10/05	400-130	0.1	12	★	12.9	★	11.6	★	11.1
Municipal Basin		03/05	240	0.2	12		13.0		13.0		13.0
CHANNEL TO PORT LAVACA AND RED BLUFF											
Port Lavaca Channel	★	10/05	125	4.1	12	★	7.6	★	7.5	★	7.4
Lynn Bayou Turning Basin	★	10/05	30-300	0.1	12	★	8.9	★	9.2	★	9.1
Port Lavaca Harbor of Refuge:											
Approach Channel	★	10/05	125	2.1	12	★	6.3	★	7.4	★	7.4
North-South Basin	★	10/05	300	0.3	12	★	12.1	★	10.8	★	12.7
East-West Basin	★	10/05	250	0.3	12	★	12.0	★	12.3	★	12.0
Extension to Red Bluff via Lavaca and Navidad Rivers:											
Mile 0 to Mile 6.5		06/04	100	6.5	6		1.2		1.3		1.1
Mile 6.5 to F.M. Rd. 616		6/99	100	13.7	6		4.0		4.0		4.0

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			PROJECT DIMENSIONS				***PROJECT CONDITIONS***				
CHANNEL TO VICTORIA											
Mile 0 (GIWW) to Mile 11	★	10/05	100	11.0	12	★	8.0	★	8.2	★	7.5
Westerly connecting 'Y' channel	★	10/05	100	0.8	12	★	8.0	★	9.2	★	8.2
Mile 11 to Mile 14.0		08/04	100	3.0	12		10.0		12.0		9.8
Mile 14.0 to Mile 29		08/04	100	15.0	12		8.6		11.5		7.7
Mile 29 to Mile 34.7		08/04	100	5.7	12		12.0		14.5		12.0
Turning Basin		4/02	100-818	0.2	12		14.0		14.0		14.0
Connecting Channel to Seadrift	★	10/05	100	2.0	12	★	6.5	★	6.6	★	6.1
Seadrift Turning Basin	★	10/05	230	0.0	9	★	9.0	★	9.2	★	9.2
CHANNEL TO FULTON											
Channel		08/04	100	0.5	12		6.0		7.0		6.0
Turning Basin		08/04	200	0.2	12		6.0		8.0		7.0
CHANNEL TO ROCKPORT											
Channel		08/04	100	6.8	9		9.0		9.0		9.2
Harbor Basin		08/04	350	0.2	9		4.5		8.0		7.5
CHANNEL TO ARANSAS PASS											
Channel		08/04	125-175	6.1	14		7.0		8.5		10.9
Turning Basin		08/04	300	0.4	14		13.6		14.0		14.4
Connecting Channel		08/04	125	0.1	14		15.0		15.5		15.0
Conn Brown Harbor		08/04	50-510	0.4	14		14.0		14.0		14.0
CHANNEL TO PORT ARANSAS											
Channel		10/04	100	0.2	12		5.9		5.5		5.5
Turning Basin		10/04	200-400	0.2	12		4.9		4.6		4.5

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						PROJECT DIMENSIONS		***PROJECT CONDITIONS***			
CHANNEL TO PORT MANSFIELD											
Entrance Channel	★	10/05	250	0.7	16	★	5.4	★	6.2	★	6.2
Mile 0.7 to Mile 1.3	★	10/05	100-300	0.6	14	★	9.9	★	12.7	★	12.8
Mile 1.3 to Mile 3	★	10/05	100	1.7	14	★	10.6	★	10.3	★	10.9
Mile 3 to Mile 6	★	10/05	100	3.0	14	★	12.4	★	12.8	★	12.8
Mile 6 to Main Channel (GIWW)	★	10/05	100	2.9	14	★	6.0	★	6.1		6.0
Entrance Curves		08/05	200	0.6	12		5.5		5.6		5.3
Main Channel to Turning Basin	★	10/05	125-200	0.9	14	★	2.0	★	2.9		4.0
Turning Basin	★	10/05	200-400	0.7	14	★	13.7	★	13.8	★	13.1
Shrimp Basin	★	10/05	350	0.3	12	★	11.7	★	12.3	★	12.2
CHANNEL TO PORT HARLINGEN											
North Wye		07/05		x	12		14.0		14.0		14.0
South Wye		07/05		x	12		13.0		13.0		14.0
Mile 0 to Mile 8		11/04	200-125	8.0	12		10.0		12.0		11.0
Mile 8 to Mile 20		11/04	125	12.0	12		10.0		11.2		9.0
Mile 20 to Mile 25.9		07/05	125	5.9	12		11.4		12.6		11.5
Turning Basin		07/05	400	0.1	12		16.0		16.0		14.0
SIDE CHANNELS AT PORT ISABEL											
60-foot channel		06/04	60	0.2	12		12.5		12.5		10.5
125-foot channel		06/04	125	1.1	12		10.0		10.0		9.0
125-foot Channel - South Leg		06/04	125	1.1	12		10.6		11.0		11.0
PORT ISABEL SMALL BOAT HARBOR								**USABLE DIMENSIONS**			
Entrance Channel		04/05	75	1.5	9		5.0		3.5		2.0
Harbor Channel		04/05	50	0.3	7		4.5		7.0		7.0
Basin		04/05	50-500	0.3	6		5.5		5.7		4.0

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PROJECT DIMENSIONS						**PROJECT CONDITIONS**					
HOUSTON SHIP CHANNEL, TRIBUTARY CHANNELS											
CEDAR BAYOU											
Houston Ship Channel to U.S. Steel Dock	★	09/05	100	5.5	11	★	8.9	★	5.7	★	2.6
ATKINSON ISLAND											
Barge Mooring Basin		1/02	100-150	1.8	12		9.4		9.5		9.3
GREENS BAYOU CHANNEL											
First bend to Parker Brothers Slip	★	09/05	150-100	1.3	15	★	15.0	★	14.0	★	13.0
BRADY ISLAND CHANNEL							**Left ½**				**Right ½**
Upstream from Cypress Str. Bridge		03/04	50	0.3	10		13.0		12.0		10.0
Downstream from Cypress Str. Bridge		03/04	50	0.5	10		7.0		8.0		8.0
CHANNEL IN BUFFALO BAYOU											
Houston Turning Basin to 69th Street Bridge		07/05	60	0.8	10		13.0		13.0		12.0
69th Street Bridge to Lockwood Drive Bridge		07/05	60	1.5	10		9.0		7.0		6.0
Lockwood Drive Bridge to Jensen St.Bridge		07/05	60	1.7	10		2.0		3.0		7.0
Turkey Bend Channel		07/05	60	0.8	10		5.0		3.0		7.0
Jensen Street Bridge to Southern Pacific Dock		3/94	60	0.6	9				10ft by 50ft		

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USABLE DEPTHS IN OTHER SMALL ACTIVE CHANNELS					**USABLE DIMENSIONS**		
CHANNEL TO PORT BOLIVAR	4/99	200	0.1	14	18.0 ft by 200 ft		
DICKINSON BAYOU							
Light 2 to Light 27	05/05	60	9.9	6	7.0	6.0	6.0
Light 27 to Highway 146 Bridge	05/05	60	1.5	6	1.0	2.0	4.0
CHANNEL TO LIBERTY							
Houston Ship Channel to Smith Point	08/05	150	6.4	9	3.0	3.0	3.0
Anahauc	07/05	100	6.4	6.0	3.0	2.0	1.0
Anahuac Channel to Texas Gulf Sulphur Slip	6/01	100	11.3	6.0	4.6	4.5	4.1
Texas Gulf Sulphur Slip to Devers Canal	2/94	100	9.5	6	4.0 ft at centerline		
Devers Canal to South Liberty Oil Field	7/01	100	12.2	6	+0.4' x 100'		
South Liberty Oil Field to Cut Off Channel	7/01	100	2.2	6	+0.1, +2.6, +1.5		
Cut Off Channel to Liberty	7/01	100	3.1	6	-3.2, +1.6, +2.6		
CLEAR CREEK AND CLEAR LAKE							
Entrance Channel	03/04	75	3.3	9	12.0	13.0	12.0
North Fork Channel	5/88	60	0.7	7	1.0 ft by 60 ft		
Clear Lake Channel	03/04	60	2.8	7	2.0	3.0	2.0
Clear Creek Channel	5/98		3.8		7.0 ft by 60 ft		
Five Mile Cut	08/05	125	1.9	12	10.0	10.0	10.0
JEWEL FULTON CANAL							
Canal	10/04	100	0.9	16	15.5	16.0	16.3
Basin	10/04		0.1	16	14.0	14.0	14.0
RINCON CANAL							
Approach Channel	08/04	100-567	2.9	10	6.0	6.0	7.5
Connecting Channel	08/04	275	0.4	10	8.0	8.0	8.0
Canal "A"	08/04	100-125	0.9	10	9.5	10.0	10.0
Turning Basin	08/04	275	0.1	10	11.0	11.0	11.0

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Brownsville Fishing Boat Harbor							
Entrance Channel	07/04	100	0.2	15	17.0	16.5	13.0
Connecting Channel	07/04	265	0.2	15	14.6	14.5	14.1
West Connecting Channel	07/04	265	0.2	15	14.6	14.5	14.1
West Basin	07/04	305-370	0.3	15	14.0	14.3	15.0
Middle Basin	07/04	305-370	0.2	15	13.5	13.0	13.6
East Basin	07/04	305-370	0.1	15	13.0	13.5	13.4

NOTES:

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② Shoaling on the left quarter at Mile Marker 467.83.

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⑨ Shoaling @ Mile Marker 667.12 on right quarter.